

Message Text

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TO USMISSION NATO
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E.O. 11652: N/A

TAGS: ETEL, MARR, NATO

SUBJECT: NATO SATCOM TAIL NORFOLK VA

REF: USNATO 6515, 291515Z NOV 76

1. IN EARLY DEC, A MEETING WAS HELD IN THE OFFICE OF THE SECRETARY OF DEFENSE, WITH NICSMA REPRESENTATION, TO REVIEW NICSMA MICROWAVE REQUIREMENTS BETWEEN THE NICS SATCOM GROUND TERMINAL AT NORTHWEST, VA AND SACLANT HQS AT NORFOLK, VA.

2. TO ACCOMMODATE NICSMA'S INCREASED REQUIREMENTS FOR THE SHORT TERM (UNTIL A NEW PROPOSED JOINT US AND NATO LINK IS IMPLEMENTED IN THE 1981-1982 TIME FRAME) WE AGREED TO INVESTIGATE THE POSSIBILITY OF PROVIDING INCREASED
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NICS SERVICE OVER THE EXISTING FACILITY.

3. OUR INVESTIGATION FINDS INCREASED NICS USE FEASIBLE UNDER THE FOLLOWING CONDITIONS:

A. BETWEEN BUILDING NH-95 AND M-51, NORFOLK, VA: UNOFFICIAL ESTIMATES FOR LEASING 120 FULL DUPLEX UNCONDITIONED VOICE

GRADE CHANNELS VIA EXISTING MICROWAVE (M/W) AND LAND LINE (L/L) SYSTEMS FOLLOW. A FIRM WRITTEN QUOTE WILL REQUIRE

2-3 MONTHS AS WELL AS MORE COMPLETE TECHNICAL DESCRIPTION OF THE REQUIREMENTS.

--	M/W	M/W	L/L
--	OPTION I	OPTION II	
INSTALLATION	93K	0	6K
MONTHLY CHARGES	2.6K	4.2K	0.9K
TERMINATION LIABILITY	0	91K	0

LEAD TIME FOR M/W SYSTEM ESTIMATED TO BE 10-12 MONTHS AFTER THE TELEPHONE COMPANY RECEIVES FIRM ORDER. TERMINATION LIABILITY DECREASES LINEARLY OVER 120 MONTH PERIOD. LEAD TIME FOR LAND LINES ESTIMATED TO BE 6-8 WEEKS AFTER TELEPHONE COMPANY RECEIVES A FIRM ORDER. PRESENT TELEPHONE COMPANY ROOM CONFIGURATION IN M-51 CAN NOT EASILY PROVIDE REQUIRED SPACE FOR ADDITIONAL PATCH PANELS. ALTHOUGH LAND LINES ARE CONSIDERABLY MORE ECONOMICAL, WE DO NOT RECOMMEND USE DUE TO LACK OF SPACE AND POOR PERFORMANCE RECORD (QUALITY/RELIABILITY).

B. BETWEEN BUILDINGS M-51 NORFOLK, VA, AND N-14 NORTHWEST, VA: FACILITY WILL NEED TO BE UPGRADED FROM 120 TO 240 CHANNEL CONFIGURATION TO ACCOMMODATE NEW REQUIREMENT. THE UPGRADE WILL PRIMARILY CONSIST OF ADDITIONAL MULTIPLEX (AN/UCC-4) EQUIPMENT AND PATCH PANELS AT M-51 AND NORTHWEST. ASSUMING USE OF AVAILABLE MUX AND PATCH PANELS, UNCLASSIFIED

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TOTAL COST TO ENGINEER, INSTALL AND TEST ADDITIONAL EQUIPMENTS IS ESTIMATED TO BE 70K LEAD TIME FOR IMPLEMENTING UPGRADE ESTIMATED TO BE 9 MONTHS.

C. BETWEEN BUILDINGS N-14 NORTHWEST, VA AND THE NATO SGT: THE NAVY OWNED LAND LINES SYSTEM BETWEEN BUILDING N-14 AND THE NATO SGT L-3 WILL NEED TO BE UPGRADED TO ACCOMMODATE THE NEW REQUIREMENT. THE UPGRADE WILL CONSIST PRIMARILY OF ADDITIONAL CABLE PAIRS AND PATCH PANELS AT BUILDING N-14. ASSUMING USE OF EXISTING CABLE FACILITIES, TOTAL COST TO PROCURE, INSTALL, AND TEST ADDITIONAL EQUIPMENT ESTIMATED TO BE 30K. LEAD TIME FOR IMPLEMENTING UPGRADE ESTIMATED TO BE 9 MONTHS.

D. MANPOWER REQUIRED: AN INCREASE IN PREVENTIVE AND CORRECTIVE MAINTENANCE WORKLOAD IN THE MICROWAVE SYSTEM AND TECHNICAL CONTROL AND PATCH AND TEST FACILITIES AT BUILDING M-51 AND NORTHWEST, VA WILL RESULT FROM THE ADDITIONAL 120 CHANNELS. MANPOWER IMPACTS ESTIMATED AS

ONE GS-9 TECHNICIAN. SINCE THIS IS A NATO REQUIREMENT,
WE WOULD EXPECT NATO TO MAKE FUNDS AVAILABE FOR AN
APPROPRIATE A-GRADE TECHNICIAN.

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4. BASED ON ABOVE ESTIMATE, APPROXIMATELY 12 MONTHS FROM
PROGRAM APPROVAL AND PROVISION OF FUNDING WILL BE RE-
QUIRED TO COMPLETE THE UPGRADE. IF NICSMA WISHES TO
PURSUECONCEPT OF SHARING UPGRADED NAVY INTERCONNECT
FACILITIES, RECOMMEND ARRANGEMENTS BE MADE TO TRANSFER
NECESSARY FUNDS TO THE U.S. OR PROVIDE FOR COMPARABLE
QUID PRO QUO ARRANGEMENTS.
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